

3 illumination light, an irradiance at a wavelength in a range of 600 nm to 100 nm
4 is 0.1 W/m² or more.

1 *Subcl 35.* (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein: radiation in the predetermined wavelength range
3 is radiation in a range of 600 nm to 1100 nm; and the radiation in the range of
4 600 nm to 1100 nm is radiated while being pulse-modulated at 0.5 to 13 Hz.

1 *Subcl 36.* (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein on an irradiated plane to be irradiated with the
3 illumination light, radiant energy of radiation at a wavelength in a range of 600
4 nm to 1100 nm is equal to or greater than 15% of radiant energy of radiation at a
5 wavelength in a visible wavelength range of 380 nm to 780 nm.

1 *Subcl 37.* (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein a radiant efficiency of radiation at a wavelength in
3 a range of 600 nm to 1100 nm is equal to or greater than 0.001 W/lm.

1 *Subcl 38.* (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein on an irradiated plane to be irradiated with the
3 illumination light, radiant energy of radiation at a wavelength in a range of 1100
4 nm to 2.5 μm is smaller than radiant energy of radiation at a wavelength in a
5 range of 600 nm to 1100 nm.

1 *Subcl 39.* (Newly Added) A radiant energy radiation apparatus
2 according to claim 1, wherein: the illumination light has a color of light which
3 does not cause discomfort; and a deviation (duv) of the chromaticity of light
from a Planckian locus in Commission Internationale de l'Eclairage (CIE) 1960
UCS chromaticity diagram is with ±0.01.

1 *Subcl 40.* (Newly Added) A radiant energy radiation apparatus
2 according to claim 36, wherein the apparatus has a configuration of a discharge
3 lamp.

1 41. (Newly Added) A radiant energy radiation apparatus
2 according to claim 37, wherein the apparatus has a configuration of a discharge
3 lamp.

1 42. (Newly Added) A radiant energy radiation apparatus
2 according to claim 38, wherein the apparatus has a configuration of a discharge
3 lamp.

1 43. (Newly Added) A radiant energy radiation apparatus
2 according to claim 39, wherein the apparatus has a configuration of a discharge
3 lamp.

1 44. (Newly Added) A radiant energy radiation apparatus
2 according to claim 40, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 45. (Newly Added) A radiant energy radiation apparatus
2 according to claim 41, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 46. (Newly Added) A radiant energy radiation apparatus
2 according to claim 42, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 47. (Newly Added) A radiant energy radiation apparatus
2 according to claim 43, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 48. (Newly Added) A radiant energy radiation apparatus
2 according to claim 36, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 49. (Newly Added) A radiant energy radiation apparatus
2 according to claim 37, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 50. (Newly Added) A radiant energy radiation apparatus
2 according to claim 38, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 51. (Newly Added) A radiant energy radiation apparatus
2 according to claim 39, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 52. (Newly Added) A radiant energy radiation apparatus
2 according to claim 36, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 53. (Newly Added) A radiant energy radiation apparatus
2 according to claim 37, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 54. (Newly Added) A radiant energy radiation apparatus
2 according to claim 38, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 55. (Newly Added) A radiant energy radiation apparatus
2 according to claim 39, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device

1 56. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein on an irradiated plane to be irradiated with
3 radiation, an irradiance at a wavelength in a range of 700 nm to 1100 nm is 0.03
4 W/M² or more.

1 57. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein: radiation in the predetermined wavelength
3 range is radiation in a range of 700 nm to 1100 nm; and radiation in the range of
4 700 nm to 1100 nm is radiated while being pulse-modulated at 0.5 to 13 Hz.

1 58. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein on an irradiated plane to be irradiated with
3 radiation, radiant energy of radiation at a wavelength in a range of 1100 nm to
4 2.5 μ m is smaller than radiant energy of radiation at a wavelength in a range of
5 700 nm to 1100 nm.

1 59. (Newly Added) A radiant energy radiation apparatus
2 according to claim 56, wherein the apparatus has a configuration of a discharge
3 lamp.

1 60. (Newly Added) A radiant energy radiation apparatus
2 according to claim 57, wherein the apparatus has a configuration of a discharge
3 lamp.

1 61. (Newly Added) A radiant energy radiation apparatus
2 according to claim 58, wherein the apparatus has a configuration of a discharge
3 lamp.

1 62. (Newly Added) A radiant energy radiation apparatus
2 according to claim 59, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 63. (Newly Added) A radiant energy radiation apparatus
2 according to claim 60, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 64. (Newly Added) A radiant energy radiation apparatus
2 according to claim 61, wherein the apparatus has a configuration of a fluorescent
3 discharge lamp.

1 65. (Newly Added) A radiant energy radiation apparatus
2 according to claim 56, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 66. (Newly Added) A radiant energy radiation apparatus
2 according to claim 57, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 67. (Newly Added) A radiant energy radiation apparatus
2 according to claim 58, wherein the apparatus has a configuration of an
3 incandescent lamp.

1 68. (Newly Added) A radiant energy radiation apparatus
2 according to claim 56, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 69. (Newly Added) A radiant energy radiation apparatus
2 according to claim 57, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 70. (Newly Added) A radiant energy radiation apparatus
2 according to claim 58, wherein the apparatus has a configuration of a light
3 source including a solid light emitting device.

1 71. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein the apparatus has an illumination function of
3 providing illumination light for an illumination purpose.

1 72. (Newly Added) A radiant energy radiation apparatus
2 according to claim 17, wherein the apparatus has a display function of displaying
3 a predetermined image.

CN
1
2
3
B X
05
1
2
3
4

73. (Newly Added) A radiant energy radiation apparatus according to claim 72, wherein the predetermined image is displayed by the means for radiating radiation in the predetermined wavelength range.

sub E1
74. (Newly Added) A radiant energy radiation apparatus according to claim 72, further comprising display means for displaying the predetermined image, wherein the means for radiating radiation in the predetermined wavelength range is attached to the display means.

Respectfully Submitted,



Andrew L Ney, Reg. No. 20,300
Attorney for Applicants

ALN:aw

Dated: July 18, 2000

P.O. Box 980
Valley Forge, PA 19482-0980
(610) 407-0700

The Assistant Commissioner for Patents
is hereby authorized to charge payment
to Deposit Account No. 18-0350 of any
fees associated with this communication.

I hereby certify that this correspondence is being
deposited with the United States Postal Service with
sufficient postage as first class mail in an envelope
addressed to: Assistant Commissioner for Patents,
Washington, D.C. 20231 on:

July 18, 2000
Andrew L. Ney